

Title (en)
LIQUID SPRAYER

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Application
EP 90914762 A 19901005

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Abstract (en)
[origin: WO9205880A1] The present invention relates to a liquid sprayer having a cylinder and a piston, wherein, in order to increase a spraying time period and to simplify the construction thereof, such an arrangement is adopted that the piston stroke is designed to be longer, and, when the stroke is longer, loosenesses of a spray head, the piston and the like are avoided and liquid is sprayed with a stable operation. The liquid sprayer comprises: an erected wall engaged with the top portion of the cylinder and mounted on the outer or inner side of the mouth-neck portion; a guide tube connected to the bottom end of the erected wall, surrounding the erected wall from outside and being erected at a predetermined interval from the erected wall; and a slidable tube formed on a member at the side of moving the piston and coupled into the interval formed between the erected wall (17) and the guide tube in a manner to be movable vertically. The slidable tube is guided by the guide tube, so that, even if a stem is longer, the slidable tube can be vertically operated in a stable manner.

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B05B 9/0883 (2013.01 - EP); **B05B 11/00** (2013.01 - KR)

Citation (search report)

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- [A] US 3806005 A 19740423 - PRUSSIN S, et al
- [A] FR 1415269 A 19651022
- See references of WO 9205880A1

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WO 9205880 A1 19920416; AU 650240 B2 19940616; AU 6513390 A 19920428; CA 2073022 A1 19920406; CA 2073022 C 20010814; DE 69030194 D1 19970417; DE 69030194 T2 19971002; EP 0503066 A1 19920916; EP 0503066 A4 19930804; EP 0503066 B1 19970312; KR 0149037 B1 19981015; KR 920703211 A 19921217

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